

## SERVICE BULLETINS

Power Board\_Circuit  
Diagram\_2010TV available on new  
GSPN

Please check GSPN for parts update!

Version	Parts No	Short Description
ALL	BN44-00356B	Power PCB
SQ01	BN81-04353A	T-CON PCB
CN02	BN81-04454A	T-CON PCB
SS03	BN81-05079A	T-CON PCB
SQ01	BN94-03370A	Main PCB
CN02	BN94-03370J	Main PCB
SS03	BN94-03370N	Main PCB
ALL	BN96-15397B	Function & IR PCB
CN02	BN07-00852A	Panel
SQ01	BN07-00859A	Panel
SS03	BN07-00913A	Panel
ALL	BN96-13131A	Stand Guide
ALL	BN96-13132A	Stand Base
ALL	BN96-13747H	Front Cover
ALL	BN96-13842A	Rear Cover
ALL	3903-000527	Power Cord
ALL	BN40-00162A	Tuner
ALL	BN96-12723L	LVDS Cable

**HELP** : 1-888-751-4086 (Tech Support)  
1-866-894-0637 (FE)

GSPN

<http://gspn3.samsungcsportal.com>

PLUS ONE

<http://my.plus1solutions.net/clientPortals/samsung>

## HOT TIPS

Power On Problems: (see page 2)

Video Problems: (see page 3.4)

Other:

HDMI Bleed-over

## FIRMWARE

Please check for latest update!

2/21/2011

(T-VALAUSC, 1035.0)

**Reason:** Support Netflix 2.1 and MLB.tv apps. Support new TV camera (Model: CY-STC1100). Add "3D Optimize" option on Menu for better 3D image.(Only LCD/LED TV)

Previous: 1032.0

**Prevents :**

- USB Power Overload' message pops up even USB port is not connected
- Plug & Play is displayed upon power up.



## TROUBLESHOOTING VIDEO PROBLEMS

### 1. Verify Video Operation

- Customer Picture Test** (models available)
- "Display"** (If display is OK source is suspected)
- Substitute with known good Source  
(external DVD or Signal Generator)

### 2. Using Test Patterns in Service Mode

- **ENTER SERVICE MODE** -

- Select an active source signal. (HDMI preferred)  
Test Pattern may rely on signal source to appear.

**Customer Remote**

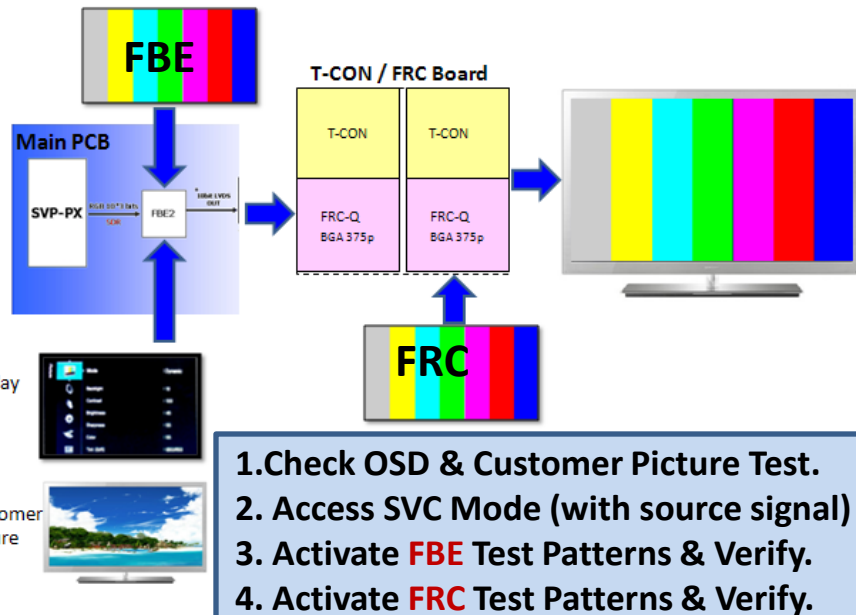
- Power off
- Mute, 182, Power

**Service Remote**

- Power On
- Info, Factory

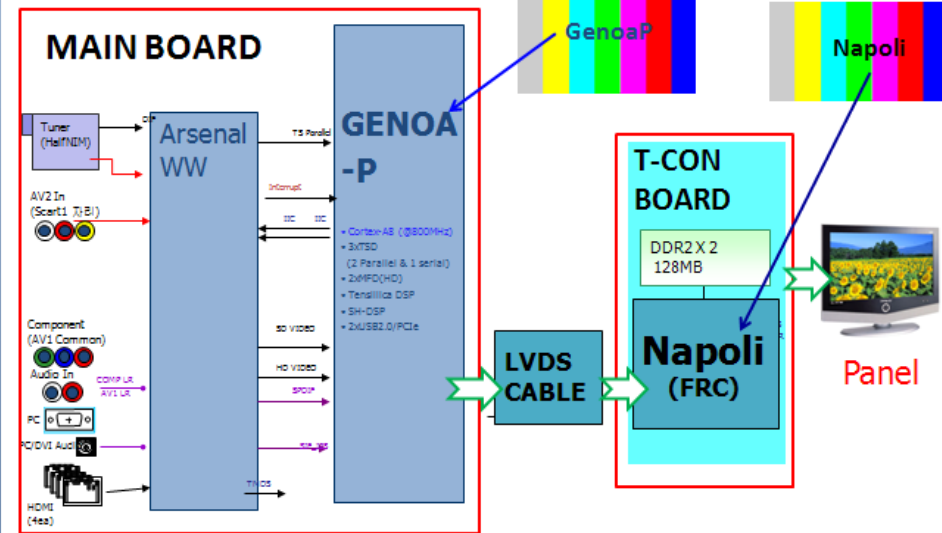
## 2010 Models

### LCD Signal Path for Troubleshooting



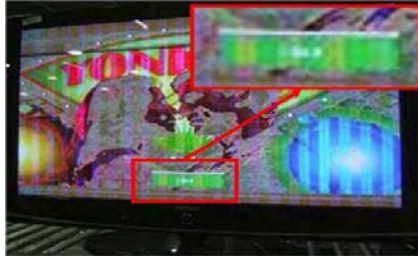
## 2011 LED 8000 Series

### Verify Test Mode Signals



- Select an active source signal. (HDMI preferred)  
Test Pattern may rely on signal source to appear.
- Access Service Mode
- Access **SVC**
- Access **Test Patterns**
- Access **Genoa-P**
- Check Test Patterns
- If OK suspect input Source
- Access **Napoli**
- Check Test Patterns
- If OK and Genoa-P was not good  
Suspect Main Board or LVDS Cable

## ON SCREEN FAILURE EXAMPLES:



If Picture & Display errors  
Defective Main Board, LVDS,  
or T-CON



Green lines or a green screen  
defective main board , LVDS , or  
T-CON.

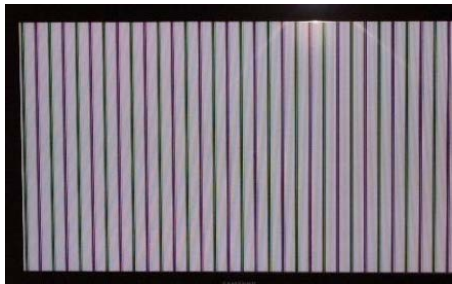


Original Image



Image on Screen

Pixelization can be caused by the main board  
but is more commonly a source error



Vertical or Horizontal Lines :Defective  
Panel likely but also T-CON, LVDS, or Main  
Board. Use Test Patterns in Factory Service  
Mode to determine error)

## ALIGNMENTS:

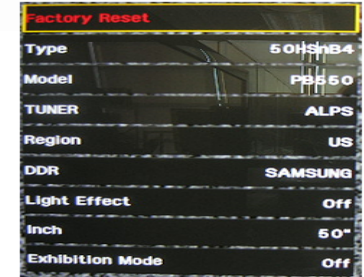
### 1. Check/Set Option Bytes:

Using the Customer Remote

1. Turn the power off and set to stand-by mode
2. Press the remote buttons in this order; POWER OFF-MUTE-1-8-2-POWER ON to turn the set on.
3. The set turns on and enters service mode. This may take approximately 20 seconds.
4. Press the Power button to exit and store data in memory.  
- If you fail to enter service mode, repeat steps 1 and 2 above.
5. Initial SERVICE MODE DISPLAY STATE

Project	PB5G	PB5G	PB5G
Model	B550	B550	B550
Model Code	PN6B550T2FXZA	PN6B550T2FXZA	PN6B550T2FXZA
No.	ITEMS		
1	Factory Reset	-	-
2	Type	50FSpl4	58FNK1
3	Model	PB550	PB550
4	TUNER	US	ALPS
5	Region	US	US
6	DDR	SAMSUNG	SAMSUNG
7	Light Effect	Off	Off
8	Inch	50"	55"
9	Exhibition Mode	Off	Off

Option Bytes



2. Check/Perform Firmware Upgrade for  
all repairs.

3. Perform reset in Service Mode &  
Plug and Play if Main board is replaced.

### SPECIAL NOTES:

Inform customer of reset of all  
Settings if Main Board or Panel is replaced.

Option											
Type	Model	Tuner	Region	DDR	Light Effect	Audio AMP	Ch Table	Country	Front Color	Local Set	Exhibition Mode
40A1UF0E	UC6500	SEMCO	-	-	OFF	-	-	USA	W-Violet	-	-
40D1UF0E	UC6500	SEMCO	-	-	OFF	-	-	USA	W-Violet	-	-
40A1UF1E	UC6500	SEMCO		-	OFF	-		USA	W-Violet		
40A1UF1E	UC6500	SEMCO		-	OFF	-		USA	W-Violet		
40A1UF1E	UC6500	SEMCO		-	OFF	-		USA	W-Violet		